

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A process for producing multicoat color and/or effect paint systems comprising
 - (A) at least one primer,
 - (B) at least one color and/or effect basecoat, and
 - (C) at least one clearcoat

~~by~~comprising

 - (I) applying at least one ~~pigmented or unpigmented~~ primer (A) curable thermally and with actinic radiation to a substrate to give at least one primer film (A),
 - (II) exposing the at least one primer film(s) (A) to actinic radiation to give at least one partially cured primer film (A) which can still be thermally cured,
 - (III) applying at least one pigmented coating material (B) curable thermally and/or at least one pigmented coating material (B) curable thermally and with actinic radiation to the outer surface of the partially cured at least one primer film(s) (A) to give at least one pigmented film (B) which can still be cured thermally or both thermally and with actinic radiation,
 - (IV) exposing the at least one pigmented film(s) (B) curable thermally and with actinic radiation to actinic radiation to give at least one partially cured film (B) which can still be thermally cured,
 - (V) applying at least one clearcoat material (C) curable with actinic radiation and/or at least one clearcoat material (C) curable thermally and with actinic radiation to the outer surface of the at least one partially cured film(s) (B) to give at least one clearcoat film (C) curable with actinic radiation and/or at least one clearcoat film (C) curable thermally and with actinic radiation,
 - (VI) exposing the at least one clearcoat film(s) (C) curable with actinic radiation and/or thermally and with actinic radiation to actinic radiation to give at least one clearcoat cured with actinic radiation and/or at least one partially cured clearcoat film (C) which can still be thermally cured, and
 - (VII) subjecting the at least one primer film(s) (A), the at least one pigmented film(s) (B), and the still thermally curable at least one clearcoat film(s) (C) to joint thermal curing.

2. (Currently Amended) The process of claim 1, wherein the substrate comprises one of a motor vehicle bodiesy andor a mounted components thereof of a vehicle body are used as substrates.
3. (Currently Amended) The process of claim 2, wherein the mounted components are is made of sheet molded compound (SMC), bulk molded compound (BMC), injection molded compound (IMC), or reaction injection molded compound (RIMC).
4. (Currently Amended) The process ~~of any of claims 1 to 3~~, wherein the primer (A) comprises
 - (a1) at least one constituent containing
 - (a11) on average per molecule at least two functional groups containing at least one bond which can be activated with actinic radiation and which serves for crosslinking with actinic radiation, ~~and if desired~~
 - (a12) optionally, at least one isocyanate-reactive group,
 - (a2) at least one thermally curable constituent containing at least two isocyanate-reactive groups,and
 - (a3) at least one polyisocyanate.
5. (Currently Amended) The process of claim 4, wherein the isocyanate-reactive groups (a12) are present and are selected from the group consisting of hydroxyl, thiol, primary amino groups, and secondary amino groups, and imino groups, and combinations thereof.
6. (Currently Amended) The process of claim ~~4 or 5~~, wherein the functional groups (a11) are selected from the group consisting of carbon-hydrogen single bonds, or carbon-carbon single bonds, carbon-oxygen single bonds, carbon-nitrogen single bonds, carbon-phosphorus single bonds, or carbon-silicon single bonds, or carbon-carbon double bonds, carbon-oxygen double bonds, carbon-nitrogen double bonds, carbon-phosphorus double bonds, carbon-silicon double bonds, and combinations thereof.

7. (Currently Amended) The process of claim 6, wherein the functional groups (a11) are carbon-carbon double bonds (~~“double bonds”~~).
8. (Currently Amended) The process of claim 7, wherein the carbon-carbon double bonds are present in at least one of a (meth)acrylate group, an ethacrylate group, a crotonate group, a cinnamate group, a vinyl ether group, a vinyl ester group, an ethenylarylene group, a dicyclopentadienyl group, a norbornenyl group, an isoprenyl group, an isopropenyl group, an allyl group, or a butenyl group, an ethenylarylene ether group, a dicyclopentadienyl ether group, a norbornenyl ether group, an isoprenyl ether group, an isopropenyl ether group, an allyl ether group, or a butenyl ether group, or an ethenylarylene ester group, a dicyclopentadienyl ester group, a norbornenyl ester group, an isoprenyl ester group, an isopropenyl ester group, an allyl ester group, and/or a butenyl ester groups.
9. (Currently Amended) The process of claim 8, wherein the double bonds are present in acrylate groups.
10. (Currently Amended) The process ~~of any of claims 3 to 94~~, wherein the functional groups (a12) are present and are hydroxyl groups.
11. (Currently Amended) The process ~~of any of claims 3 to 104~~, wherein the constituents (a2) are selected from the group consisting of oligomers, polymers, and combinations thereof, wherein the oligomers and polymers are each at least one of linear, or branched, block, comb, and/or random-oligomers or polymers.
12. (Currently Amended) The process of claim 11, wherein the oligomers and polymers (a2) are each selected from the group consisting of (meth)acrylate (co)polymers, polyesters, alkyds, amino resins, polyurethanes, polylactones, polycarbonates, polyethers, epoxy resin-amine adducts, (meth)acrylate diols, partially hydrolyzed polyvinyl esters, ~~and polyureas, and combinations thereof.~~
13. (Currently Amended) The process ~~of any of claims 4 to 12~~, wherein ~~the~~ a ratio of isocyanate groups to ~~the~~ a sum of the isocyanate-reactive functional groups in the primer (A) is < 1.3.

14. (Currently Amended) The process ~~of any of claims 4 to 13~~, wherein the thermally curable constituent (a2) has a molecular weight polydispersity (mass-average molecular weight M_w /number-average molecular weight M_n) of < 4 .
15. (Currently Amended) The process ~~of any of claims 4 to 14~~, wherein in the dual-cure primer (A) ~~the~~a ratio of solids content of constituents curable with actinic radiation (UV) to solids content of thermally curable constituents (TH), ~~viz.~~ $(UV)/(TH)$, is from 0.2 to 0.6.
16. (Currently Amended) The process ~~of any of claims 4 to 12~~, wherein the thermally curable constituent (a2), based on its overall amount, has an aromatic structural unit content of $< 5\%$ by weight.